1 GTCGACCCACGCGTCCGCAGCCTTCTCAGTATGGACCAAAGTACCCAAGCCTGTGCTGGT M D Q S T Q A C A G 10 61 GAGAAACATTGCCATAACAGGGGTGGCCTACACTTCAGAATGCTTCCCCTGCAAACCTGG 120 11 E K H C H N R G G L H F R M L P L Q T W 30 121 CACGTATGCAGACAAGCAGGGCTCCTCTTTCTGCAAACTTTGCCCAGCAACTCTTATTCA 180 31 H V C R Q A G L L F L Q T L P S N S Y S 50 181 AATAAAGGAGAAACTTCTTGCCACCAGTGTGACCCTGACAAATACTCAGAGAAAGGATCT 240 70 51 N K G E T S C H Q C D P D K Y S E K G S 300 71 S S C N V R P A C <u>T D K D</u> Y F Y T H <u>T A</u> 90 301 TGCGATGCCAACGGAGAGACACACTCATGTACAAATGGGCCAAGCCGAAAATCTGTAGC 360 <u>C D</u> A N G E T Q L M Y K W A K P K I C S 110 361 GAGGACCTTGAGGGGGCAGTGAAGCTGCCTCTGGTGTGAAGACCCACTGCCCACCC 420 111 E D L E G A V K L P A S G V K T H C P P 130 421 TGCAACCCAGGCTTCTTCAAAACCAACAACAGCACCTGCCAGCCCTGCCCATATGGTTCC 480 131 C N P G F F K T N N S T C Q P C P Y G-S-150 481 TACTCCAATGGCTCAGACTGTACCCGCTGCCCTGCAGGGACTGAACCTGCTGTGGGATTT 540 151 Y S N G S D C T R C P A G T E P A V G F 170 541 GAATACAAATGGTGGAACACGCTGCCCACAAACATGGAAACGACCGTTCTCAGTGGGATC 600 171 E Y K W W N T L P <u>T N M E</u> T T V L S G I 190 601 AACTTCGAGTACAAGGGCATGACAGGCTGGGAGGTGGCTGGTGATCACATTTACACAGCT 660

FIG.1A

2/37 191 N F E Y K G M <u>T G W E</u> V A G D H I Y T A 210 661 GCTGGAGCCTCAGACAATGACTTCATGATTCTCACTCTGGTTGTGCCAGGATTTAGACCT 720 211 A G A S D N D F M I L T L V V P G F R P 230 721 CCGCAGTCGGTGATGGCAGACACAGAGAATAAAGAGGTGGCCAGAATCACATTTGTCTTT 780 231 P O S V M A D T E N K E V A R I T F V F 250 840 251 $\stackrel{\scriptstyle \cdot}{\scriptscriptstyle E}$ $\stackrel{\scriptstyle \cdot}{\scriptscriptstyle T}$ $\stackrel{\scriptstyle \cdot}{\scriptscriptstyle L}$ C S V N C E L Y F M V G V N S R T 270 841 AACACTCCTGTGGAGACGTGGAAAGGTTCCAAAGGCAAACAGTCCTATACCTACATCATT 271 N T P V E T W K G S K G K Q S Y T Y I I 290 901 GAGGAGAACACTACCACGAGCTTCACCTGGGCCTTCCAGAGGACCACTTTTCATGAGGCA 960 291 E E N T T T S F T W A F Q R T <u>T F H E</u> A 310 **** 961 AGCAGGAAGTACACCAATGACGTTGCCAAGATCTACTCCATCAATGTCACCAATGTTATG 1020 311 S R K Y T N D V A K I Y S I **N V T N** V M 330 1021 AATGGCGTGGCCTCCTACTGCCGTCCCTGTGCCCTAGAAGCCTCTGATGTGGGCTCCTCC 1080 331 N G V A S Y C R P C A L E A S D V G S S 350 1081 TGCACCTCTTGTCCTGCTGGTTACTATATTGACCGAGATTCAGGAACCTGCCACTCCTGC 1140 351 C T S C P A G Y Y I D R D S G T C H S C 370 1141 CCCCCTAACACAATTCTGAAAGCCCACCAGCCTTATGGTGTCCAGGCCTGTGTGCCCTGT 1200 371 PPNTILKAHQPYGVQACVPC 390 1201 GGTCCAGGGACCAAGAACAAGATCCACTCTCTGTGCTACAATGATTGCACCTTCTCA 1260 391 G P G T K N N K I H S L C Y N D C T F S 410

FIG.1B

1261	(אמי	ים. רים	י יירריז	<u>ነ</u> ጋል	٦AG	Gac	بالبالية	CAA(ግጥ Δ (CAA(ጋጥጥ(TC(:GC	ቦጥጥ(iGC/	۱ΑΑ	CAC	CGT(CACT	1320
411		N	л. Т	Р	T.C.	R	т	F	N	γ	N	F	S	A	T,	A	N	Ţ	V	T	430
111		••	•		•	••	•	•	••	•		-	-		_	••		-			
1321	CTT	'GCT	GG	\GG(GCC	AAG	CTT	'CAC	TTC(CAAZ	· . AGG(GTT(GAAZ	ATA(TTT(CCA:	rca(omm.	rac(CCTC	1380
431		A	G	G	р Р	S	F	. J T	S	K	G	L	K	Y	F	Н	Н	F	T	L	450
	-		Ĭ		-	-	٠,	**	***	***	**										
1381	AGT	CTC	TG	rgg.	AAA	CCA	.GGC	TAG	GAA	AAT(GTC'	TGT(GTG(CAC(CGA(CAA'	rgt(CAC'	rga:	CCTC	1440
451	S	L	C	G	N	Q	G	R K	M	S	V	C	T	D	N	V	T	D	L		470
								•			•										
1441	CGO	:ATI	CC.	rga(GGG'	TG <i>P</i>	GT(CAGG	GTT	CTC	CAA	ATC:	rat(CAC	AGC	CTA	CGT	CTG	CCA	GGCA	1500
471	R	I	P	E	G	Ε	S	G	F	S	K	S	Ι	T	A	Y	V	C	Q	A	490
								•													
1501	GT(CATO	CAT	CCC	CCC.	AGA	\GGT	rgac	AGG	CTA	CAA	GGC	CGG	GGT'	TTC	CTC.	ACA	GCC'	TGT	CAGC	1560
491	V	Ι	Ι	P	P	E	V	T	G	Y	K	A	G	V	S	S	Q	P	V	$\underline{\underline{S}}$	510
				•				•			•									. •	•
1561	CTT	[GC]	rga'	TCG.	ACT	TA:	l'TG(GGGT	GAC.	AAC	AGA	TAT	GAC'	TCT	GGA'	TGG	AAT	CAC		CCCA	1620
511	<u>L</u>	A	D	R	L	I	G	Ŋ,	T.	T	D	M	T	L	.D.	G	.I	T	S	<u>P</u>	530
	•			•				•			•			•			•				
1621	GC'	[GAZ	ACT'					-	CTT		AAT		_	CGT	GAT -		_			GTCC	1680
531	<u>A</u>	<u>E</u>	L	F	H	L	Ε	S	L	G	Ι	P	D	V	Ι	F	F	Y	R	S	550
				•		~=.	a am.	, aar	ımm a	maa.		3.550	3 3 <i>4</i>		C 3 E	aaa		a	ama		1740
1681		_	l'G'l'	GAC			JCT(AAC 	CAC						CAGT	1740
551	N	D	V	T	Q	S	C.	S	S	G	R	S	T	T	Ι	R	V	R	С	S	570
1741	aa.	7 (T 7)	<i>(</i> 13.3	770	mar	ıaa	аша	(133.)	tmmm	COM	144T	ומממ	אממ	מגרי	CITICS CITICS	OTT C	י גי <i>י</i> או	መረረ	~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	- Стр Стр Стр Стр Стр Стр Стр Стр Стр Стр	1800
1741																	_	.100 -D	JAU: m	:CTGT _C	590
571	P	Q	K	T	V	P	G	S	L		L	<u> </u>	G	<u> </u>	C	<u> </u>	<u>D</u> _				330
1801	יאי	ייטת	ረጥረ	מאסי	CITHE	ימת	<u>۱۲ (۱۳</u> ۰۰	העריי	יליוויטי	ירכז	.cac	ירכר	יככר	ነጥር/ር	ייייייו	יררר	י ימריד	יריים	!ሮሞር	AGTG	1860
591		-C-		N.	CII F	.cc. H			W	ruur E	S	A	Jour A	.1GC A		P	.GC1 L	CIG		DIDA. V	610
ÜZI		<u> </u>	C	TA	Ţ	П		П	11	<u> </u>	J					- t					
1861	עַרי	ሞርኔ	<i>ር</i> ሞ እ		ነጥር ር	יעיחי	ምርር	· ጥሮኔር	<u>:</u> ሮልር	የምር	!ጥር:ጥ	ነርርቦ	ሞርር	!ርልፕ	יררצ	GAD.	GDC	ጥልቦ	ַ יייִחייַ	CGTG	1920
1001	JU	TON	CIH		יוטנ	, I M	TCG	TOW	JUNG	1C I C	1101	.000	100	IONI	CUL	UM.	ONC	INC	. 1 1 [1720

FIG.1C

											4	1/37	'								
611	<u>A</u>	D	Y	H	A	Ι	۷.	S	S	С	. V	A	G-	-I-	Q	K	-T	T	Y	٧.	630
1921	TG	GCG	AGA	ACC	CAA	GCT	ATG	CTC	TGG	TGG	CAT	TTC	TCT	GCC	TGA	GCA	GAG	AGT	CAC	CATC	1980
631	W	R	E	P	K	L	C .	S	G	G	. I	<u>S</u>	L	<u>Р</u>	E	Q	R	V	T	Ι.	650
1981	TG	CAA	AAC	CAT	'AGA	TTT	CTG	GCT	GAA	AGT	GGG	CAT	CTC	TGC	AGG	CAC	CTG	TAC	TGC	CATC	2040
651	С	K	T	Ι.	D	F	₩.	L	K	V	G	I	S	<u>A</u> .	-C	T	-C-	T	- A-	-I	670
2041	CT	GCT	CAC	CGT	CTT	'GAC	CTG	CTA	.CTT	TTG	GAA	AAA	GAA	TCA	AAA	ACT	AGA	GTA	CAA	GTAC	2100
671	L	L	T	٧.	L	T	С.	Y	F	W	. K	K	N	Q	K	L	Ε.	Y	K	Υ .	690
2101	TC	CAA	GCT	'GG'I	'GAT	'GAA	TGC	TAC	TCT	'CAA	GGA	CTG	TGA	.CCT	'GCC	AGC	AGC	TGA	CAG	CTGC	2160
691	S	K	L	٧.	M	N	A .	T	L	K	<u>D</u>	С	D	L	P	A	Α.	D	S	C .	710
2161	GC	CAT	'CAT	'GGI	AGG	GCGA	\GGA	ATGT	'AGA	.GGA	CGA	CCT	CAT	CTT	'TAC	'CAG	CAA	GAA	TCA	CTCT	2220
711	Α	Ι	M	E .	G	E	D	. V	Ε	D	D .	L	Ι	F	T	S	K	N	H	\$	730
2221	TT	GGC	AAC	TAE	CAAA	ATCA	TTT	CACC	TCC	AAG	AGC	ACT	'CCT	'GA'I	'GGA	TTT	'GAC	TCA	GTG	CCGC	2280
731	L	G	R	S	N	Н	L	P	P	R	G	L	L	М •	D	L	Τ.	Q	С	R	750
2281 751	TG *	AAC	BAC!	ATC(CTCA	AGG <i>I</i>	\GG(CCCA	AGA(CATG	GA(CTO	STG <i>P</i>	\GAG	iGC <i>P</i>	CTC	CC'I	'GCC	TCA	CCTG	2340 751
2341	CC	TC(CTC	ACC".	ľTG(CATA	AGC <i>I</i>	ACCI	TTT(GCAA	.GC(CTG(CGG(GAT	TTO	GG"	:GC(CAGO	ATC	CCTGC	2400
				•													,			ATCT .	
2461	TI	TT:	ľTA'	TAG.	AGT/	AČC(CAAA	ACC(CTC(CTTI	CT(GCTT	rgc(CTCA	AAA(CCT(GCC <i>l</i>	raa/	'AT <i>P</i>	ACCCA	2520
2521	CI	(CTP)	יייטידיין	البليا	ርሞል፤	יידע ע	ΓΔΔΊ	ΔΔΔ	ΔΔΔ	ΔΔΔΔ	ΔΔ	ΔΔΔ	20	554							

FIG.1D

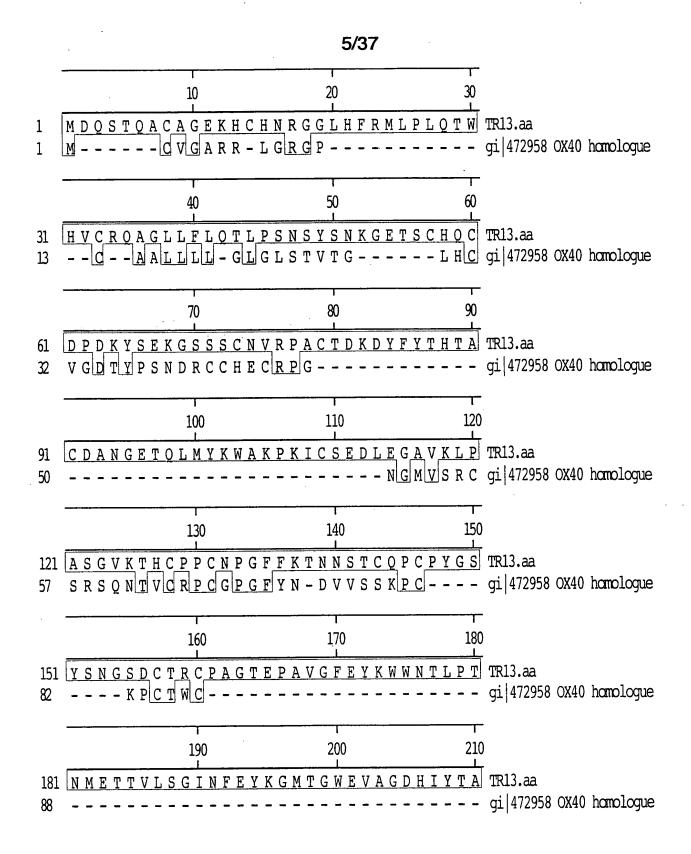


FIG. 2A

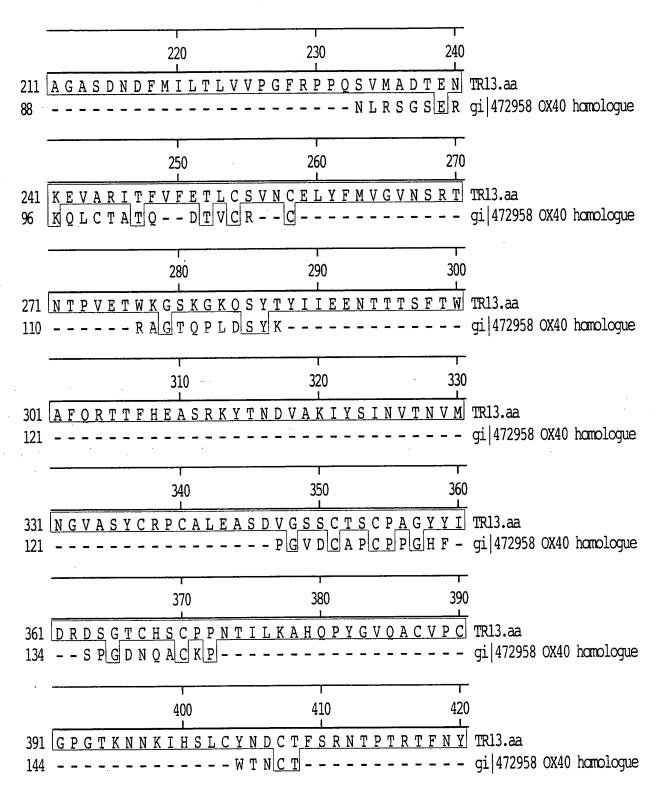


FIG. 2B

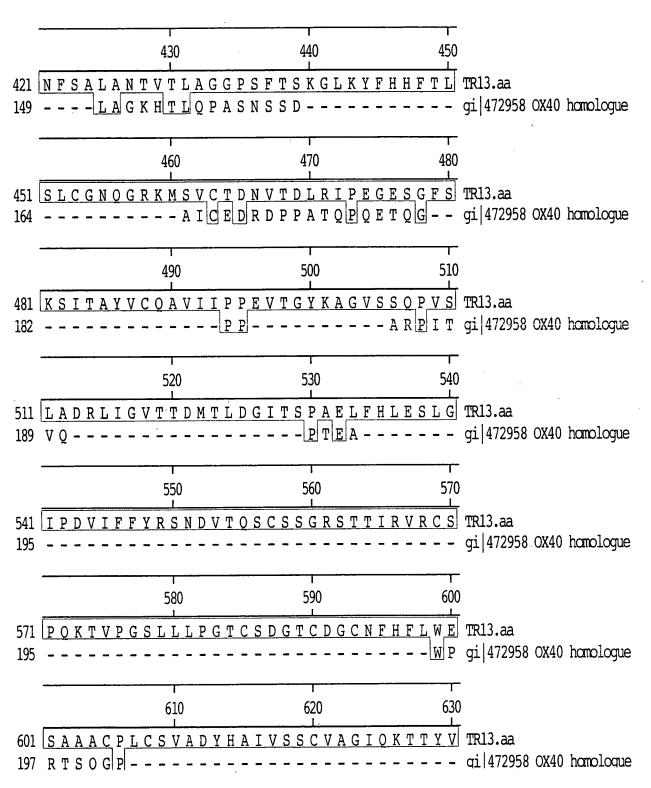


FIG. 2C

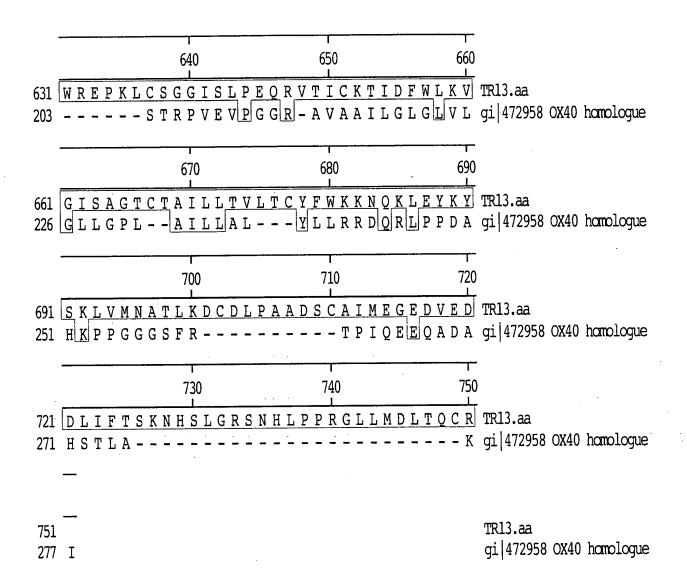
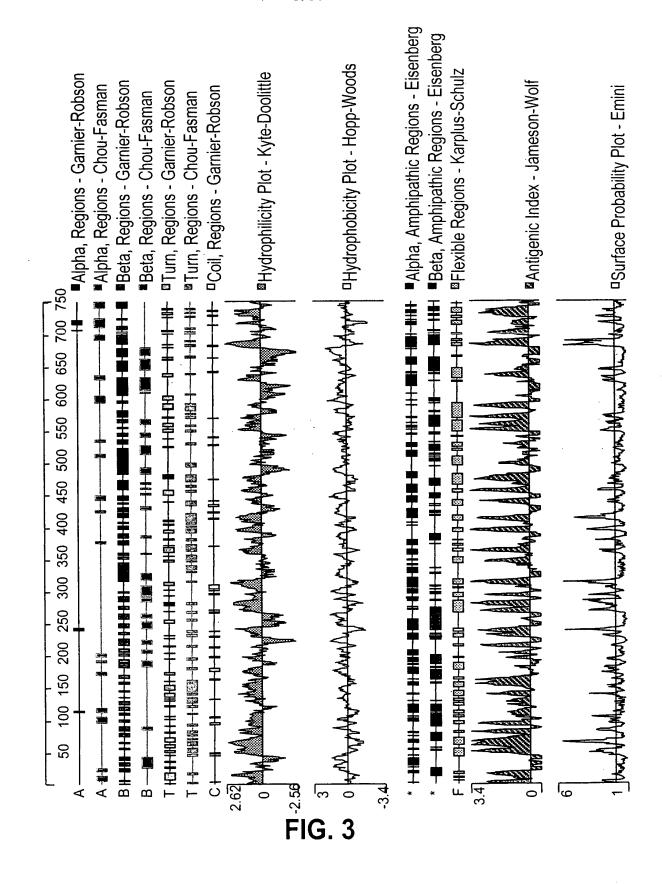


FIG. 2D



1	TGA	GGT(GGA'	TTT	GTA	CCG(GAG'	rcc(CAT'	TTG(GGA(GCA	AGA	GCC.	ATC'	TAC'	TCG'	TCC	GTT	ACC	60
61	GGC	CTT	CCC.	ACC	ATG	GAT'	· IGC	CAA	GAA	· TAA	GAG'	TAC'	TGG	GAC	CAA'	TGG	GGA	CGG'	TGT(GTC	120
1										M	S	T	G	T	N	G	-D	G	V	S	11
121	ACC	TGC	CAA	.CGG	TGT	GGT	CCT	GGA	CAG	GAG	CTA	TCC	AAG	GAT	TGT	GGT	TAT	GGA	GAG	GGT	180
12	<u>P</u>	A	N	G	V	V	L	D.	R	S	Y	P	R	I	V	V	M	E	R	V	31
				•													•				• • •
181	GGA	GAT.	GCC	TAC	TGC	ACA			CCT	CCT					_	_				_	240
32	E	M	<u> P</u>	$\overline{\Gamma}$	A	Q	P	<u>A</u>	L	L	A	V	Q	K	Q	L	G	P	<u>P</u>	Q	51
		. am a				13 TT CI		ama	таа		a v m	<i>~</i> 7 7 7	таа	mam	ma.	~ 7 7 7	aam	O 3 3	ama		200
241		0.0	0			'ATG						-							CIG O		300
52	<u>M</u>	<u>C</u>	R	V	A	C	T	<u> </u>	Ā	V	<u> </u>	N	R	V	Q	K	V	N	L	<u>T</u>	71
201	". "	ama c	om c	•	.mac	TGT:		maa	י. וממז	Ста	יליוליולי	ימממ	ימאמ	•	ı СтП Л	מממ	7777	מאמ	יז רר	• (ገለጥ	360
301										تا 1 ال. ص	_		.CAG R	GII F	VΥ	.ccc	aaa K	JAU m	ACG R	T	91
·72	P	T	S	_N	<u>A</u>	<u>V</u>	<u>C</u>	G	D	L	L	P		Г	I	Л			7.		71
261	то	יז רר	יייטיו	י. יממז	עממז	LCCA	እርአ	СПС	יראיזי	יררר	ርጥር	יריא ר	יבא <i>א</i>	ממז	מאכ	יריר	יראר	ירייר	ሞርል	ርርጥ	420
361 92	G		I L	عاق. ()	addi D	100A 0	AGA E	C.	I	P	C	rcac T	.GAA	.GCF	JAU T	.ccc P	.cac T	.crc S	. I Gr	V	111
74	<u>-</u>	<u> </u>	Ш_	Ų	ע	Ų	<u> </u>					1		Ϋ́							***
421	ሞር፤	ነ ውጥ	! ሞርር	بالسام	יירריז	ሊተጥ	'ርልር	;CͲႤ	ነ <u>ል</u> ርተ	'ርርል	GGC	'AGA	\ፐር _ር ር	· 'ACC	CAC	'AGT	'GCC	1000	TCA	GGA	480
112	0	C	A	F	0	را ا	. uric	,C11	V	E		o. D	a	P.	Т	V	P	P	0	E	131
110	¥				<u> </u>		<u> </u>			_ - _				<u> </u>							
481	GG(CCAC	CACT	· [TG:	rtg(CACT	GGT	'GAC	GCAG	CCI	GCT	'AG'I	rgg1	GT1	TAC	CC7	'GGC	CTT	CCT	'GGG	540
132																		_	_		151
				,																	
541	GC'	rcT1	rct.	ľCC'	rct <i>i</i>	ACT(GCA!	AGC <i>I</i>	AGT1	CTI	CA/	ACA(GAC <i>I</i>	TT	GCCA	AGC(TG(GAG(TTT	GCT	600
152	1	f	f	1	У	С	k	q	f	f	n	r	h	С	q	r	g	g	1	1	171
					•			-							_			-			
601	GC	AGT.	ľTG	AGG(CTG	ATA	AAA(CAG(CAAA	AGG <i>I</i>	AGG <i>I</i>	TA/	CTC	CT.	rcc(CCG.	rgc(CAC(CCAC	GCAA	660
172	q	f	е	·a	d	k	ŧ	-a -	- k	-e	е	S	1	f	p	V	p	p	S	k	191
	•														-						

FIG.4A

661	GGAGACCAGTGCTGAGTCCCAAGTCTCTTGGGCCCCTGGCAGCCTTGCCCAGTTGTTCTC	720
192	e t s a e s q v s w a p g s l a q l f s	211
721	TCTGGACTCTGTTCCTATACCACAACAGCAGCAGGGGCCTGAAATGTGATGTCCACAAGA	780
212	lds v p i p q q q g p e m *	227
781	GCTAATACCCTACAGATGGGGCATATCCTATCCCATCCC	840
841	TTCACAAGGACTGATCTGGAGCATTTCTTGCTTCCCTGTTGTAGTCTGGGGAGCCAGATT	900
901	CCACATTCATGGGACTACCAGACATGTTCCTAGCTCAACTTGATTATAGAGAAGAGGAGA	960
961	GAGGACAGTGAATGGGGTAGGGTTTTCATGTCTGCATTTTTGGTCAGGTAAGCCTCTCAA	1020
1021	AATTGTGTTGGCACATCTACCTAGCACTTTAGGGACAAAATCAAACCCTTCTCCCCTTTT	1080
1081	AGCTCCTCCACACTGCCTCCTCAACACACACACACACACA	1140
1141	TAGACACACAAACACACACACACATTAATATCTATCTTGGGGGAAGCCTCGTGCCATA	1200
1201	ATTCCCAAGTCATGTCTCAGACTGCTGCATTGCAGCATGACGCAGGGCAAACACTTTCCC	1260
1261	TCTAGATCCCTGGGGCCT&ACCCTGTATTTGAGGTTCTCACCACCCTCAGCAGGAGAAG	1320
1321	GGCTGAAGTTCGCCATTTTGGAACCTTACAGAACATTTCTGAGCCAAAGTAATCTTCCTT	1380
1381	CTGGGGCCTGAGTTCCCCAAACTACCCCACAGCAGTCCCTCAAAGACAGCCCTCAATCCA	1440
1441	TGTAGGGACATCTGAGTATGCCTCTTTCTATTGAAATGTCAATTCAATCCCAGCTTTCTC	1500
1501	ACCACCGTTCCCCTTTGATTCTTTCTCAATTGTCTTTTTGCCTTTAGCTCCCACCTATAC	1560

FIG.4B

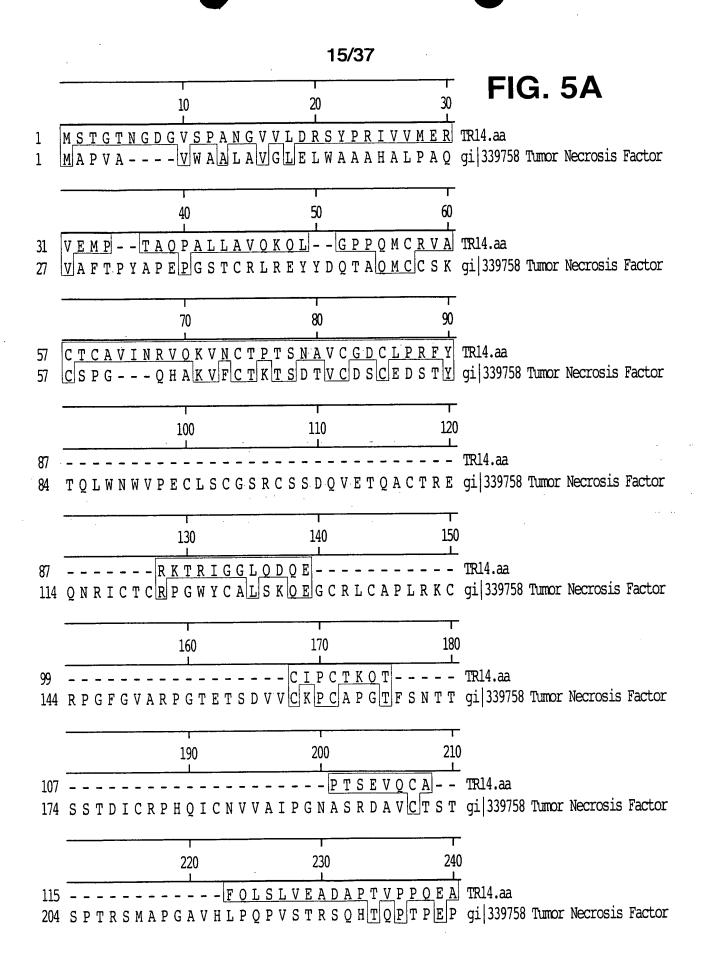
1561	ATCTCATGCTCAGAGAAAAACAAGTTCCTTAGAGGTTGTATTCTTTATTCTCCAAGAATC	1620
1621	TGTCTGAAACTTGTACAGCTAGTTCCTGTCCCACAACTATTAAGTGGTTTATTAAGTACA	1680
1681	TTAGGCAGAATGTGCACTTCATCACCAGGTTCTAGCTCTGGCAAAGGAGTGCTGTCTACA	1740
1741	GCAAGATTTTTGCTTTTAGAATTTTATTAACTACATCTTTTTGGGTTCATCCATC	1800
1801	CACTGATTAAGGGCCCCTGGGGCAACCAATTGATCAGATTACTAAAAGGACTTGGGAAAA	1860
1861	AGCAAAAAGGTCCCATTGTACTGGACTGAGGATTAGAAGCAATTGAAATACAAGCCTGTA	1920
1921	CCAAGCAAGCAGCCTGGCCCCACACAGGTATTAGCAAATATGTGGTAACCAAGGTTTTAG	1980
1981	GCCTTGGCCCCTAGGTTTCCTGTTTTTTTTCGTTTTCGTTTTCCGTTTTTCCA	2040
2041	ACAGGTTATTCTTATCTCACTGGCTTTCACTGATCATGTTTAGACCTTCTGGTAGAAGAA	2100
2101	ATAATATCCAGACAGGGGATGATTTGGCTTCAGCAGGCTGCAGGTGTTCAAAGGTTGCCA	2160
2161	TGTGGCTGGCAGTGGTTCAAGCCCACATTTGACACTGCTGCTCTAGAGGAAAGATAATGA	2220
2221	TGGTAACACAGTAATAATAATAATAACAAAAATATGATAAAGTGAAAGAGTAGATTT	2280
2281	CTTTCAGTGTGCTTGCTCCATGGCATGAATGCTATGTGGACAGCCCAAGCCATACCCAGA	2340
2341	ATCACCTTAATTCCAACTTTTTGAGGTTCAGCAATTGGAGGTGGCAATTGGCTTTGCATT	2400
2401	$. \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ . \\ \ $	2460
2461	CATGGCAAATACCATAGTTGAGTATTTGCTTCAGGAGAGTTCTTTTTTACAGTTTTACTTT	2520

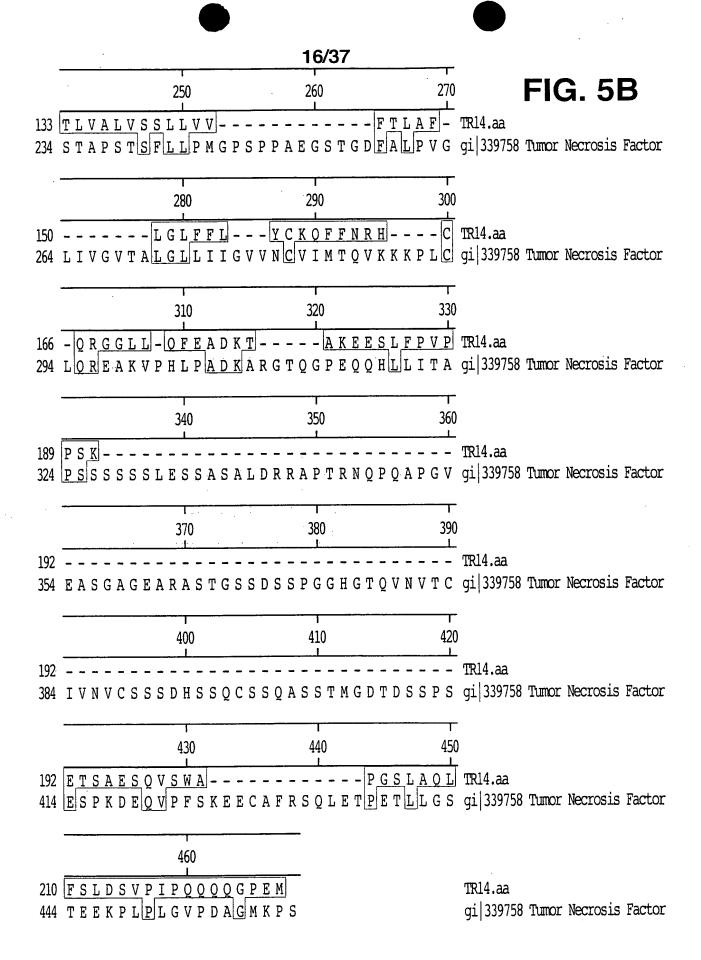
2521	TCAATGCTGAGGCATATTTCTTTGAGCACTGTGCTTTTATGTGTCTTTCTACAAAGGGGT	2580
2581	TATTGGTCAGTGGAAGAACAAAGTACACTTGATAAAAACATTTTCAACATACAT	2640
2641	TAAACAGCAGTTAAGTTGTCTCTAATGAACTAGCAAAAAAAA	2700
2701	GTAAGGAAGGGAGGTATTTCCTGAGAATGAATTTTTTTTT	2760
2761	TCTCCATATACCTTGACTTGGATTTTGACAGGAGGGAGTCTGGGAAAATAATTTTTTCCT	2820
2821	CCAAGATTCTCAGATCCAGGTTAGGAAAGGATTCAGCACTACAGCATACCCCTCTACAAC	2880
2881	ATACAGCCCTGTCACATTGAGATCATAATCCCTCCTGTCCCACTCCTCTCTACCAACCCC	2940
2941	ACCCTACTAGCTAGGTCTTCAGTGTTTTACATTGAATATTGGTACATTTAATTATTTTT	.~3000
3001	TCTCATAAATGGGTTATTTATAGAGATTTTGTTAACTCTTGAGCCATATGCATGTGTAGA	3060
3061	TACTGGCAGGGCTATGTTTATGATGCTCTGCAAACATTTCATATTGGCCAATAAAC	3120
3121	AGAAATATATCCAAAAAAAAAAAAAAAAAAAtntaRmssngsgnatdATGGATTGCCAAGAA	3180
3181	AATGAGTACTGGGACCAATGGGGACGGTGTGTCACCTGCCAACGGTGTGGTCCTGGACAG	3240
3241	GAGCTATCCAAGGATTGTGGTTATGGAGAGGGTGGAGATGCCTACTGCACAGCCTGCCCT	3300
3301	CCTCGCAGTACAAAAGGCAGCTGGGGCCACCACAAATGTCAGAGTTGCATCACCTGTGCT	3360
3361	GTCATCAATCGTGTTCAGAAGGTCAACTGCACAGCTACCTCTAATGCTGTCTGT	3420
3421	TGTTTGCCCAGGTTCTACCGAAAGACACGCATTGGAGGCCTGCAGGACCAAGAGTGCATC	3480

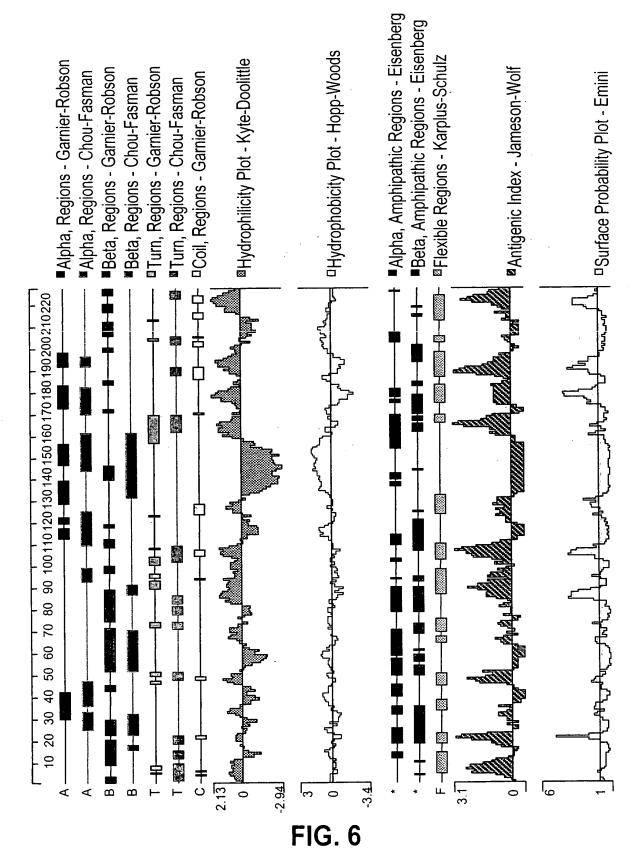
FIG.4D

3481	CCGTGCACGAAGCAGACCCCCACCTCTGAGGTTCAATGTGCCTTCCAGTTGAGCTTAGTG	3540
3541	GAGGCAGATGCACCCACAGTGCCCCCTCAGGAGGCCACACTTGTTGCACTGGTGAGCAGC	3600
3601	$. \\ CTGCTAGTGGTGTTTACCCTGGCCTTCCTGGGGCTCTTCTTCCTCTACTGCAAGCAGTTC$	3660
3661	TTCAACAGACATTGCCAGCGTGGAGGTTTGCTGCAGTTTGAGGCTGATAAAACAGCAAAG	3720
3721	GAGGAATCTCTCTCCCCGTGCCACCCAGCAAGGAGACCAGTGCTGAGTCCCAAGTCTCT	3780
3781	TGGGCCCCTGGCAGCCTTGCCCAGTTGTTCTCTCTGGACTCTGTTCCTATACCACAACAG	3840
3841	CAGCAGGGGCCTGAAATGTGA 3861	

FIG.4E







1	GCAGAAGCAGCCGCAGCACCTGAGCCGCTACTGCCGCTCACTCA	60 1
•	. ****** . ******	
61	GCTGAGCCTGGGCACAGCCACCATCTCTCCGCCAGAGTCAGGGGGAAGAACTGAGAGGCGC	120
2	A E P G H S H H L S A R V R G R T E R R	21
121	ATACCCCGGCTGTGGCGGCTGCTCTGGGCTGGGACCGCCTTCCAGGTGACCCAGGGA	180
22	I P R L W R L L L W A G T A F Q V T Q G	41
	· · · · · · · · · · · · · · · · · · ·	• • •
181	ACGGGACCGGAGCTTCACGCCTGCAAAGAGTCTGAGTACCACTATGAGTACACGGCGTGT	240
42	T C P E L H A C K E S E Y H Y E Y T A C	61
0.4.7	. ++++++++++++++++++++++++++++++++++++	200
241	GACAGCACGGGTTCCAGGTGGAGGGTCGCCGTGCCGCATACCCCGGGCCTGTGCACCAGC	300 81
62	Ð S T G S R W R V A V P H T P G L C T S	9.1
2.01:	+ ++++++++++++++++++++++++++++++++++++	360
301	CTGCCTGACCCCGTCAAGGGCACCGAGTGCTCCTTCTCCTGCAACGCCGGGGAGTTTCTG LPDPVKGTECSFSCNAGEFL	101
82	LPDPVKGTECSFSCNAGEFL	101
361	GATATGAAGGACCAGTCATGTAAGCCATGCGCTGAGGGCCGCTACTCCCTCGGCACAGGC	420
102	D M K D O S C K P C A E G R Y S L G T G	121
102	D M K D Q B C R T C H B C R T C B C T C	141
421	ATTCGGTTTGATGAGTGGGATGAGCTGCCCATGGCTTTGCCAGCCTCTCAGCCAACATG	480
122	I R F D E W D E L P H G F A S L S A N M	141
481	GAGCTGGATGACAGTGCTGCTGAGTCCACCGGGAACTGTACTTCGTCCAAGTGGGTTCCC	540
142	ELDD SAAE STGNCTSSKWVP	161
541	CGGGGCGACTACATCGCCTTCAACACGGACGAATGCACAGCCACACTGATGTACGCCGTC	600
162	R G D Y I A F N T D E C T A T L M Y A V	181
601	AACCTGAAGCAATCTGGCACCGTTAACTTCGAATACTACTATCCAGACTCCAGCATCATC	660
182	N L K Q S G T V N F E Y Y Y P D S S I I	201

FIG. 7A

	TTT	GAC	TTT	TT(GT.	rca(JAA'	[GA	CCA	GTG(CCA	GCC(CAA'	TGC.	AGA'	TGA	CTC	CAG	GTG	GATG
	F	E	F	F	V	Q	N	D	Q	C	Q	P	N	A	D	D	S	R	W	M
•			***	**	k *															
	AAG	;ACC	CACA	AGA(JAA/	AGG	ATG(GGA.	ATT	CCA	CAG	TGT(GGA(GCT.	AAA	TCG.	AGG	CAA	TAA	TGTC
	K	T	T	E	K	G	W	E	F	H	S	V	Ε	L	N	R	G	N	N	V
•				,																
	CTO	TAT.	l'TG0	AGA	AAC	CAC	AGC	CTT	CTC	AGT	ATG	GAC	CAA	AGT.	ACC	CAA	GCC	TGT	GCT	GGTG
	L	Y	W	R	T	T	A	F	S	V	W	T	K	V	P	K	P	V	Ŀ	V
							++	+++	+++	+++	+++	+++					•			- .
	AG <i>I</i>	AA/	CATI	rgc(CAT	AAC.	AGG	GGT	GGC	CTA	CAC	TTC.	AGA	ATG	CTT	CCC	CTG	CAA	ACC	TGGC
	R	N	Ι	A	I	T	G	V	A	Y	T	S	E	С	F	P	C	K	P	G
							++	+++	+++	+++	+++	+++		•						
	ACC	TAT	rgc <i>i</i>	AGA(CAA	GCA	GGG	CTC	CTC	TTT	CTG	CAA	ACT	TTG	CCC	AGC	CAA	CTC	TTA	TTCA
	T-	-Y	A	<u>D</u>	K	Q	G	S	S	F	C	K	L	Ĉ	P	Ā	N	S	Y	\bar{S}
								·								**	***	**	+	+++.
	AA?	[AA]	AGG <i>I</i>	AGA	AAC	TTC	TTG	CCA	CCA	GTG	TGA	CCC	TGA	CAA	ATA	CTC	AGA	.GAA	AGG	ATCT
!	N	K	G	E	T	S	С	Н.	Q	C	D	P ⁻	D	K	Y	\mathcal{S}	Ε	K	G	$\mathcal S$
	++-	+++	+++-	+++						**	***	**		•						- .
	TC:	rtc(CTG:	ľAA	CGT	GCG	CCC	AGC	TTG	CAC	AGA	CAA	AGA	TTA	TTT	CTA	CAC	'ACA	CAC	GGCC:
	S	S	С	N	V	R	Р	_												
			•	7.1	,	1/	P	Α	C	T	D	K	- ₽	Y	F	Y	T	Н	T	А
				•	•	10	· ·	<u>A</u>	C	T	- D •	K	Ð	<u>ү</u>	F			Н	Ŧ	
	TG(CGA'	IGC(•	CGG		<u>-</u>				•			•		Y	<u>T</u>			
	TG(TGC(•	CGG G		<u>-</u>				•			•		Y	<u>T</u>			<u>A</u>
	- •		_	CAA		AGA	GAC	ACA	ACT	'CAT	GTA	CAA	ATG	GGC	CAA	Y .GCC	T GAA	LAA	CTO	A TAGC
	<u>C</u>	- ₽	A	CAA	G	AGA E	GAC T .	ACA Q	ACT	CAT	GTA Y	CAA K	ATG W	GGC A	CAA K	Y .GCC P	T GAA K	TAA.	CTC	A TAGC
	C GA(− <i>Đ</i> GGA	A CCT'	CAA N TGA	G GGG	AGA E GGC	GAC T AGT	ACA Q GAA	ACT L .GCT	CAT M	GTA Y TGC	CAA K	ATG W TGG	GGC A TGT	CAA K	Y .GCC P	T GAA K CCA	AAT I	CTC C GCCC	A STAGC S
	C GA(− <i>Đ</i> GGA	A CCT'	CAA N TGA	G GGG	AGA E GGC	GAC T AGT	ACA Q GAA	ACT L .GCT	CAT M	GTA Y TGC	CAA K	ATG W TGG	GGC A TGT	CAA K	Y .GCC P	T GAA K CCA	AATI	CTC C C C C P	A STAGC S CACCC
-	GA(D GGA	A CCT' L	CAA N TGA E	G GGG G	AGA E GGC A	GAC T AGT	ACA Q GAA K	ACT L GCT L	CAT M GCC	GTA Y TGC A	CAA K CTC	ATG W TGG	GGC A TGT V	CAA K GAA K	Y GCC P GAC T	T GAA K CCCA H	AATI	CTC C GCCC	-A STAGC S CACCC
-	GA(E	GGA D	A CCT" L CCC	CAA N TGA E AGG	G GGG G CTT	AGA E GGC A	GAC T AGT V CAA	ACA Q GAA K AAC	ACT L GCT L	CAT M GCC P	GTA Y . TTGC ACAG	CAA K CTC S	ATG W TGG G CTG	GGC A . TGT V .	CCAA K CGAA K	Y GCC P GAC T CCTC	T GAA K CCA H GCCA	AAAT ACTO C CATA	CCTCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	-A STAGC S CACCC P ++++.
- - - !	GAO E TGO	GGA D CAA N	A CCT' L CCC	CAA N TGA E AGG G	G GGG G CTT F	AGA E GGC A 'CTT F	GAC T AGT V CAA	ACA Q GAA K AAC	ACT L GCT L 'CAA	CAT M GCC P	GTA Y TGC A .CAC	CAA K CTC S CAC	ATG W TGG G CTG	GGC A . TGT V .	CAA K CGAA K LGCO	Y GCC P GAC T CCTC	T GAA K CCCA H GCCC P	ACTO C C TATA	CCTC C GCCC P ATGC G	-A STAGC S CACCC P S+++ STTCC
	GA0 E TG0 C +++	GGA D CAA N	A CCT' L CCC. P ++++	CAA N TGA E AGG G +++	G GGG G CTT F +++	AGA E GGC A CTT F +++	GAC T AGT V CAA	ACA Q GAA K AAC T +++	ACT L GCT L CAA N +++	CAT M CGCC P CAA N	GTA Y . TGC A . CAC	CAAA K CTC S CAC	ATG W TGG G CTG ++	GGC A TGT V CCA Q	K GGAA K GGCC P	Y	T GAA K CCCA H GCCC P	AAAT I ACTO C C Y	CCTC C GCCC P HATGC	-A STAGC S CACCC P S+++ STTCC

FIG. 7B

1321	GA	ATA	CAA	ATG	GTG	GAA	CAC	GCT	GCC	CAC	AAA	CAT	GGA	AAC	GAC	CGT	TCT	CAG	TGG	GATC
422	E	Y	K	W	W	N	T	L	P	T	N	М	E	T	T	V	L	S	G	I
1381	AA	CTT	CGA	GTA	CAA	.GGG	CAT	GAC	AGG	CTG	GGA	GGT	GĠC	TGG	TGA	TCA	CAT	TTA	CAC	AGCT
442	N	F	E	Y	K	G	M	T-	G	W		V	A	G	D	H	Ι	·Y	T	A
	_	++	+++	+++	+++	+++	++.													
1441	GC'	TGG.	AGC	CTC	AGA	CAA	TGA	CTT	CAT	GAT	TCT	CAC	TCT	GGT	TGT	GCC	AGG	ATT	TAG	ACCT
462.	A	G	A	<u>s</u> _	_D_	<u>N</u>	-D	F	M	Ι	L	T	L	V	V	P	G	F	R	P
	_				-															—
1501	CC	GCA	GTC	GGT	'GAT	'GGC	'AGA	CAC	AGA	GAA	TAA	AGA	GGT	GGC	CAG	AAT	CAC	ATT	TGT	CTTT
482	P	0	S	V	М	A	D	T	E	N	K	Ε	V	A	R	Ι	T	F	V	F
	_			<u> </u>																- .
1561	GA	GAC	CCT	CTG	TTC	TGT:	'GAA	CTG	TGA	.GCT	'CTA	CTT	CAT	GGT	'GGG	TGT	'GAA	TTC	TAG	GACC
502	E	T	L	C	Ś	V	Ň	Ĉ	Ε	L	Y	F	M	V	G	V	Ñ	S	R	Ī
						**	***	**						•						
1621	AA	CAC	TCC	TGT	'GGA	GAC	GTG	GAA	AGG	TTC	CAA	AGG	CAA	ACA	GTC	CTA	TAC	CTA	CAT	CATT
522	N	T -	<u>р</u>	V	- F	T	W	K	G	S	K	G	K	0	S	Y	T	Y	Ι	Ι
	-												:	<u> </u>						 .
1681	GA	GGA	GAA	.CAC	TAC	CAC	:GAG	СТТ	'CAC	CTC	:GGC	CTT:	'CCA	GAG	GAC	'CAC	TTT:	TCA	TGA	.GGCA
542	R	F	N	Т	T	T	S	F	T	W	A	F	0	R	T	T -	F	-H-		A
•	**	***	**																	- .
1741	AG	CAG	GAA	GTA	ACA(CAA	ATGA	CGT	TGC	:CAA	\GAT	CTA	CTC	CAT	'CAA	TGT	'CAC	CAA	TGT	TATG
562	S	R	K	Y	T	N	D	V	A	K	Ι	Y	S	Ι	N	V	T	N	V	M
	_										•							++	+++	 ·++ .
1801	AA	TGG	CGT	'GGC	CT(CTA	ACTO	CCC	TCC	CTC	TG(CCT	'AGA	\AG(CTC	TGA	TGT	:GGC	CTC	CTCC
582				-																S
JUL	_		++		<u>-</u>															 ·++ .
1861					<u>ነ</u> ጥር (ግሞር‡ር	הרוים	ኒጥጥ	ሊርጥ <i>፤</i>	ነጥልባ	የጥር <i>រ</i>	ኒሮርር	AGZ							
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004	-		U												- 					
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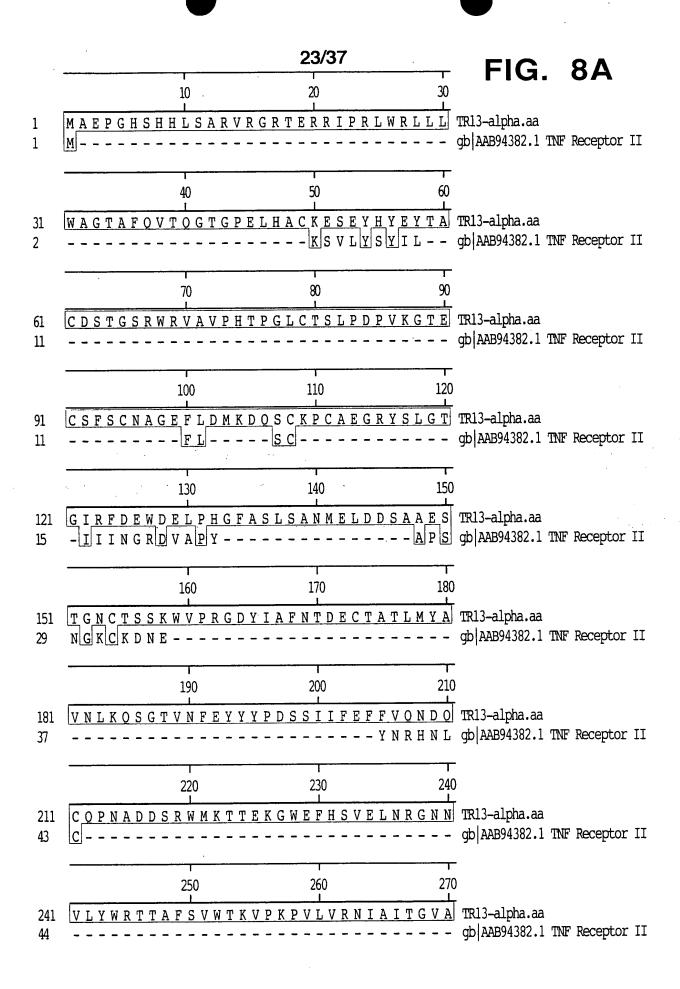
FIG. 7C

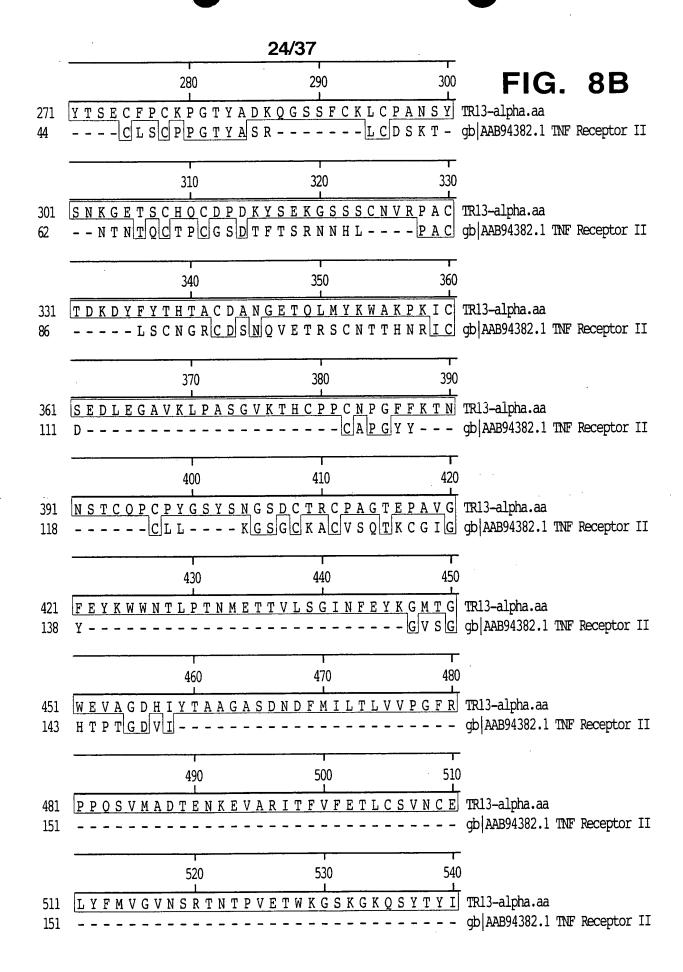
			++-	+++	+++	+++	+++	++													
81	GG'I	CC2	AGG(GAC	CAA	GAA	CAA	CAA	GAT	CCA	CTC	TCT	GTG	CTA	CAA	TGA	TTG	CAC	CTT	CTCA	20
42	G	P	G	T	K	N	N	K	Ι	H	S	L	C	Y	N	D	\mathbb{C}	T	F	S	66
•																					
41	CG(CAAC	CAC'	TCC.	AAC	CAG	GAC	TTT	CAA	CTA	CAA	CTT	CTC	CGC	TTT	GGC	AAA	CAC	CGT	CACT	21
62	R	N	T	P	T	R	T	F	N	Y	N	F	S	A	L	A	N	T	V	T	68
•				,				**	***	**											
01	CT?	rgc'	TGG	AGG	GCC	AAG	CTT	CAC	TTC	CAA	AGG	GTT	GAA	ATA	CTT	CCA	TCA	CTT	TAC	CCTC	21
32	L	A	G	G	P	S	F	T	S	K	G	L	K	Y	F	H	H	F	T	<u>L</u>	70
														•						•	
61	AG.	ГСТ	CTG	TGG	AAA	CCA	GGG	TAG	GAA	AAT	GTC	TGT	GTG	CAC	CGA	CAA	TGT	'CAC	TGA	.CCTC	22
02	S	L	C	G	N	Q	G	R	K	M	S	V	C	T	D	N	V	T	D	_ <u>L</u>	72
21	CG(GAT	TCC	TGA	.GGG	TGA	.GTC	AGC	GTT	CTC	CAA	ATC	TAT	CAC	AGC	CTA	.CGT	'C'TG	CCA	.GGCA	22
22	R	Ι	P	E	G	Ε	S	G	F	S	K	S	I	T	A	Y	V	С	Q	<u>A</u>	74
																				•	
81	GT(CAT	CAT	'CCC	CCC	'AGA	GGT	'GAC	AGG	CTA	CAA	.GGC	!CGG	GGT	TTC		'ACA	GCC	TGT	'CAGC	23
42	<u></u>	I	I	P	P	E	V	T	G	Y	K	A	G	V	S	S	Q	P		S	76
				•							•						•			,	
41			TGA		ACT	'TAT								_						CCCA	24
62	<u>-</u>	A	-D	R		_ <u>I</u>	G	V	T	T	<u>D</u>	M	T	Ь	D	G	I	T	<u>S</u>	_P	78
						~ ~~					,					a commo		- - -	ma c	, 10maa	•
	_		_								_				_					GTCC	24
82	<u>A</u>		L	F	Н	L	E	S	_ <u>L</u>	G	I	P	D		I ***	F	F	Y	R	<u>S</u>	8(
			mar			· cm	,	103		***		3 7 177 /	1336				,	ממאר	a came		2.0
61																				CAGT	25
02	<u>N</u>	ע		_T	Q	<u>S</u>	U	S	S	G	<u> </u>	S	T	Т		- K				<u>S</u>	82
0.1	00	3 (13	.02.2		amar	naaa	י משמים	, 12.2/	ammo	חממו		חממ	או מר	זגגו	nome	יחשני				+++ .	21
	_																			CCTGT	
22	<u>p</u>					<u> </u>	G	<u>S</u>	<u>L</u>	<u>ц</u>	Ц	٢	<u> </u>	<u> </u>		٥		<u> </u>			84
01			·++		v Camar	יחמי	A CHIDA	חממי	nam/	יממי	. (13.7	יממי	יממי	חתם	יחוחי	יחמי	יממו	ր/որ/ -	יתחי	השטער	1
	-																			CAGTG	
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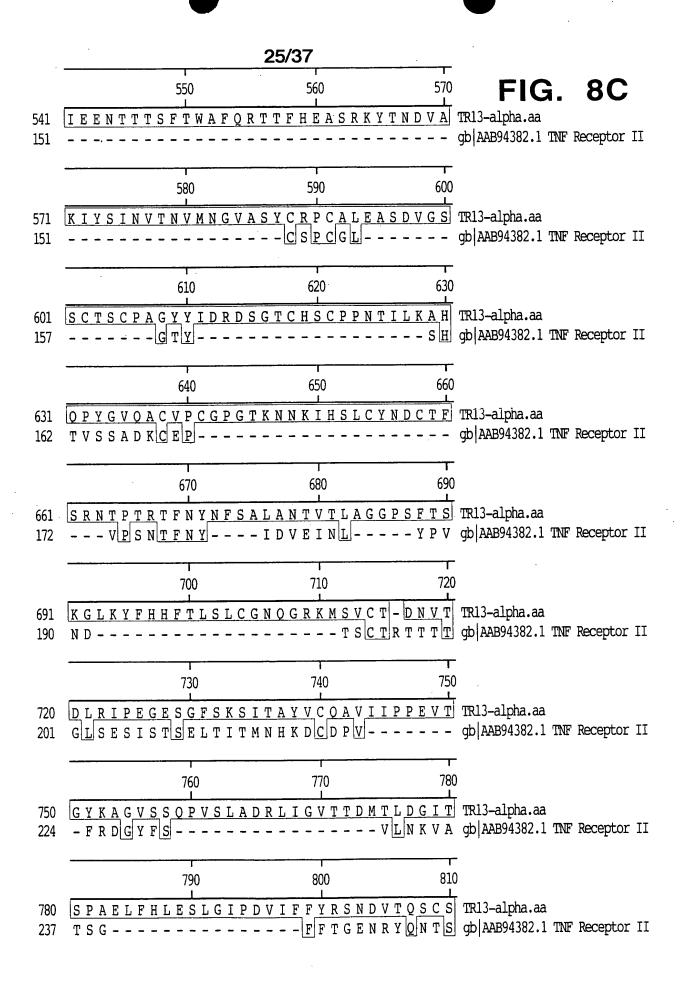
FIG. 7D

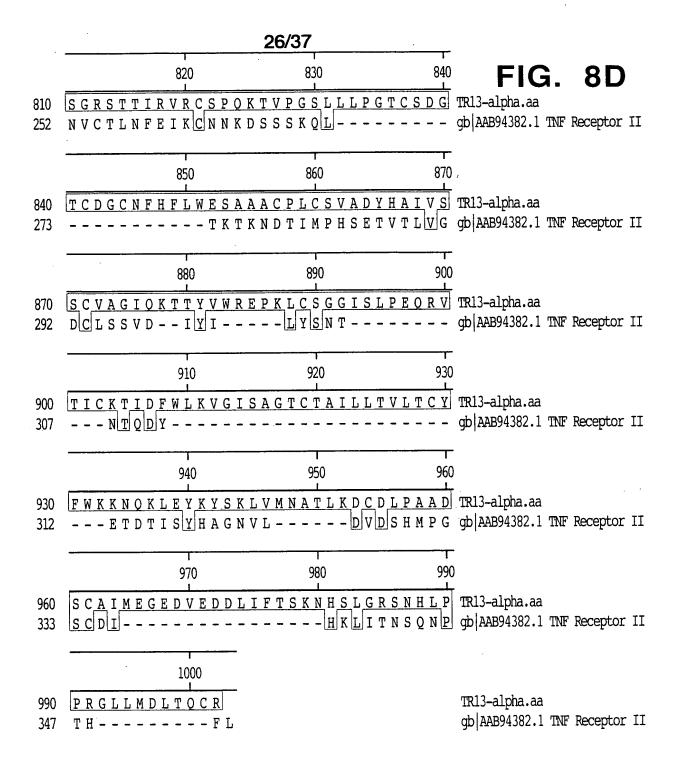
								-					++	+++	+++	+++	+++	++			
2641	GC	TGA	CTA	CCA'	I'GC'	TAT	CGT	CAG	CAG	CTG	TGT	GGC	TGG	GAT	CCA	GAA	GAC'	TAC'	TTA(CGTG	2700
862	<u>A</u> -	-D	Y	H	A	Ι	V	S	S	C	V	A	G	Ι	Q	K	T	T	Y	V	881
2701	TG	GCG	AGA	ACC	CAA	GCT.	ATG	CTC	TGG	TGG	CAT	TTC	TCT	GCC	TGA	GCA	GAG.	AGT	CAC	CATC	2760
882	W	R	E	P	K	L	C	S	G	G	I	S	L	P	E	Q	R	V	T	I	901
											.++	+++	+++	+++	+++	+++	+++	+++	+++	++ .	
2761	TG	CAA	AAC	CAT.	AGA'	TTT	CTG	GCT	GAA	AGT	GGG	CAT	'CTC	TGC	AGG	CAC	CTG	TAC'	TGC	CATC	2820
902	C	K	T	Ι	D	F	W	L	K	V	G	I	S	A	G	T	C	T	A	<u>I</u>	921
																				•	
2821	CT	'GCT	CAC	CGT	CTT	GAC	CTG	CTA	CTT	TTG	GAA	AAA	GAA	TCA	AAA	ACT	AGA	GTA	CAA	GTAC	2880
922	L	L	T	V	L	T	С	Y	F	W	_k	k	n	q	k	1	е	У	k	У	941
	٠								* * *											•	
2881	TC	CAA	GCT	GGT	GAT	GAA	TGC	'TAC	TCT	'CAA	.GGA	CTG	TGA	CCT	'GCC	AGC	AGC	TGA	CAG	CTGC	2940
942	S	k	1	V	m	n	a	ŧ-	1	k	- d	С	ď	1	p	a	a	ď	S	C	961
				•			•							•		***	•			•	
2941	GC	CAT	'CAT	'GGA	AGG	CGA	GGA	TGT	'AGA			CCT	'CAT		'TAC	'CAG	CAA	GAA		CTCT	3000
962	a	i	m	е	g	е	d	A	е	d	d	1	i.	f	t.	S	k	n	h	S	981
							. •			•	•			•			•				
3001	TI	'GGG	AAG	ATC	AAA	_		'ACC	TCC:	CAAG	AGG		_	'GA'I	_	TTT	'GAC	TCA	GTG	CCGC	3060
982	1	g	r	S	n	h	1	p	p	r	g	1	1	m	d	1	t	q	С	r	1001
				•					~~.			ame				ama			ma.		2100
3061		BAAC	BACA	ATCC	TCA	GGA	.GG(CCCA	(GAC	CATO	GA(:CTC	i'l'G <i>P</i>	AGAC	:GCA	ıC'I'C	iCC'1	'GCC	TCA	.CCTG	3120
1002	*																				1002
2101	a	maa	7CT C17		mac	יה מו	001	, Vaan	amm <i>r</i>	י מי אר		maa	naar		mma	יממו		יז ער	יא שיני	·	2100
3121	CC	TCC	TTCF	ACC.1	TGC	ATP.	lGC#	łCC1	тт	j CA <i>F</i>	HGCC	.160	שטל	JGA I	.110	נטטנ	الالا	JUA.	AIC	CTGC	3180
2101	71. 7		3007		IOMO	10133	3 m/	חתרות	nm (1)	N MIMIC	·	יממו	ח גרווים	በጣኔ (1 አ ጥረ	ותיתור	תניטי	முமுர	ירז	יא יייריייה	3240
3181	,A.	ACAC	JUUI	ICTC	iCTG	iGA/	TAI	JIU	TU	ATT	יניל	الالا	LIAI	LCAC)I At	JIII	.GAF	7111	CAG	AICI	3240
2241	mr	nmma	0013.0	מו <i>ו</i> ת מח	_crmn	מממ	נגרגי		יייתרי	الإنظان	n/um/	اللاللال	יים מיני דים מיני	יחירי	\	ነጣጥ	יממז	אחל גל	גידי גיו	מממז	3300
3241	11		LIA.	LAGF	UG L P	iccl	.HA	1000	-16	-11	1010	JC 1 .	TAC	<i>ئ</i> ا 1 ر	MH/	.(1(3CCF	MAN I	MIH.	LUULA	2200
3301	ניי	ا (بىلىن	הוויליי	• •	ת <u>תיחיי</u>	יייף ע	ז ג וי	<u>ነ</u> አአን	זגגו	<u> </u>	\	ממ	7.	221							
2201	U.	ΛL.	LIG.	1110	TAF	MI	יארו.	ייייי	אאא	יייייי	איניינ	עעע	J.	774							

FIG. 7E

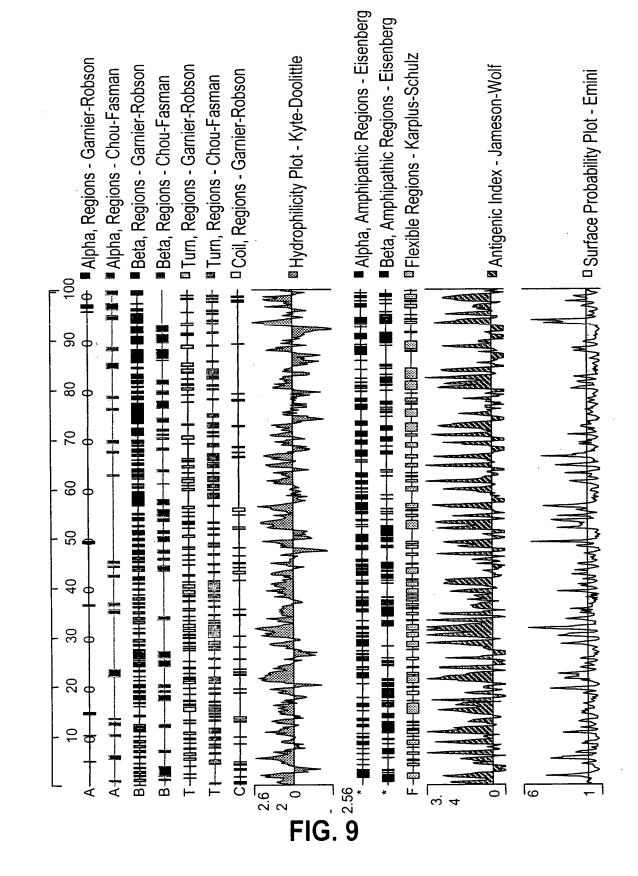












 1	199	ATT	'TGT	אלי	7997	\GT(CCA	TLL	GGG,	AGC.	AAG.	√gC(CAT(JTA()JLCC	JJC(JGTJ	ľAC()99	GGATTTGTACCGGAGTCCCATTTGGGAGCAAGAGCCATCTACTCGTCCGTTACCGGCCTT	09
1 1	ر ر	CAC	CAT	CATGGATT(M D C	ATT(C	ر عرد <i>خ</i>	CAAGAAAATGAGTACTGGGACCAATGGGGACGGTGTGTCACCTC Q E N E Y W D Q W G R C V T C	AAA N	TGA	GTA(Y	· CTG(W	3GA(D	CCA. Q	· M	3GG/2	LCGC R	G	lGT(V	CAC(T	CCCACCATGGATTGCCAAGAAATGAGTACTGGGACCAATGGGGACGGTGTGTCACCTGC M D C Q E N E Y W D Q W G R C V T C	120
.21	CA Q	CAACGGTGTGGTC	STGTC	· JTG(G	JIC(P	STG(GGACAGGAGCTATCCAAGGATTGTGGTGGAGGGTGGAG GQELSKDCGYGTGGAGGGTGGAG	GGA E	GCT	ATC S	CAA! K	GGA. D	rrg. C		rtaj Y	.'GG7	AGA(E	<u> </u>	G	CAACGCTGTGGTCCTGGACAGCATTCTAGGTTATGGAGAGGGTGGAGAT Q R C G P G Q E L S K D C G Y G E G C D	180
.81		GCCTACTGGCACA(A Y W H S	CTC	3907 H	ACA(S	3CC]	· CTGCCCTCCTCGCAGTACAAAGCAGCTGGGGCCACCACAAATC L P S S Q Y K S S W G H H K C	CTC	CTC	GCA	GTA	CAAj K	AAG(S	CAG(CTG(9	CCA(CCA(H	CAAJ K	GCCTACTGGCACAGCCTCCTCGCAGTACAAAGCAGCTGGGGCCACCACAAATGT A Y W H S L P S S Q Y K S S W G H H K C	240
.41 59	CA O	CAGAGTTGCATCA(Q S C I T	TTC	· JCA	ICA(T	CT(TGTGCTGTCATCATCGTGTTCAGAAGGTCAACTGCACCTAC C A V I N R V Q K V N C T P T	ŢĠŢ V	CAT	CAA	TCG R	TGT	ICA(Q	3AA(K	JGT(CAA(N	CTG(CAC	ACC.	CAGAGTTGCATCACCTGTGTCATCGTGTTCAGAAGGTCAACTGCACACCTACC Q S C I T C A V I N R V Q K V N C T P T	300

FIG. 10A

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	FIG. 10B	
-	FLYCKQFFN	159
9	TTCCTCTACTG	541
Ä	LVALVSSLLVVFTLAFLGLF	139
54	CTTGTTGCACT	181
÷ί	A F Q L S L V E A D A P T V P P Q E A T	119
48	GCCTTCCAGTT	121
\vdash	LODOECIPCTKOTPTSEVOC	99
4,	CTGCAGGACCA	361
96	S N A V C G D C L P R F Y R K T R I, G G	79
36	TCTAATGCTGT	01

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	FIG. 10C	
096		90
006	. GGACTGATCTGGAGCATTTCTTGCTTCCCTGTTGTAGTCTGGGGAGCCAGATTCCACATT	841
840		781
780	721 TCTGTTCCTATACCACAGCAGGGGCCTGAATGTGTGTCCACAAGAGCTAATA 219 S V P I P Q Q Q G P E M *	721 219
720	1 AGTGCTGAGTCCCAAGTCTCTTGGGCCCTTGCCCAGTTGTTCTCTCTGGAC 9 S A E S Q V S W A P G S L A Q L F S L D	661 199
198	601 GAGGCTGATAAAACAGCAAAGGAATCTCTTCCCGTGCCAGCAAGGAGACC 179 E A D K T A K E E S L F P V P P S K E T	601 179

The first of the second of

	FIG. 10D	
138	. GTTCGCCATTTTGGAACCTTACAGAACATTTCTGAGCCAAAGTAATCTTCCTTC	321
132		261
126	. AGTCATGTCTCAGACTGCTGCATTGCAGCATGACGCCAGGGCAAACACTTTCCCTCTAGAT	201
120	. ACAAACACACACACACATTAATATCTATCTTGGGGGAAGCCTCGTGCCATAATTCCCA	141
114	. CCACACTGCCTCCTCCTCAACACACACACACACACATATACACACATATACATATAGACAC	081
108	. TIGGCACATCTACCTAGCACTTTAGGGACAAAATCAAACCCTTCTCCCCTTTTAGCTCCT	021
102	. GTGAATGGGGTAGGGTTTTCATGTCTGCATTTTTGGTCAGGTAAGCCTCTCTCAAAATTGTG	961

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1381	CTGAGTTCCCCAAACTACCCCACAGCAGTCCCTCAAAGACAGCCCTCAATCCATGTAGGG	144
1441	ACATCTGAGTATGCCTCTTTCTATTGAAATGTCAATTCAATCCCAGCTTTCTCACCACCG	150
1501	. TTCCCCTTTGATTCTTTTGTCTTTTTTGCCTTCCCACCTATACATCTCAT	156
1561	GCTCAGAGAAAAACAAGTTCCTTAGAGGTTGTATTCTTTTTTTCTCCAAGAATCTGTCTG	162
1621	. AACTTGTACAGCTAGTTCCTGTCCCACAACTATTAAGTGGTTTAATTAA	168
1681	GAATGTGCACTTCATCACCAGGTTCTAGCTCTGGCAAAGGAGTGCTGTCTACAGCAAGAT	174
1741	. TTTTGCTTTTAGAATTTTAATTAACTACATCTCTTGGGTTCATCCATC	180

FIG. 10E

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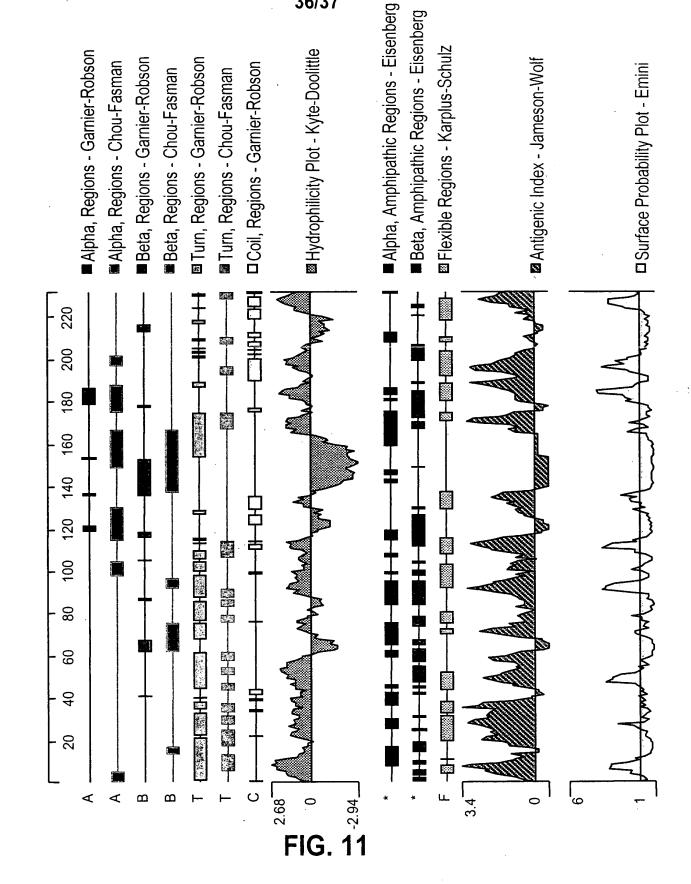
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801	TAAGGGCCCCTGGGGCAACCAATTGATCAGATTACTAAAAGGACTTGGGAAAAAGCAAAA	186
.861	AGGTCCCATTGTACTGAGGATTAGAAGCAATTGAAATACAAGCCTGTACCAAGC	192
921	. AAGCAGCCTGGCCCCACACAGGTATTAGCAAATATGTGGTAACCAAGGTTTTAGGCCTTG	198
.981	. GSCYCTAGGTTTCCTGTTTTTTTTTCGTTTTCCGTTTTTCGTTTTTGCAACAGGT	204
1041	TATTCTTATCTCACTGGCTTTCACTGATCATGTTTAGACCTTCTGGTAGAAAATAATA	210
101	TCCAGACAGGGGATGATTTGGCTTCAGCAGGCTGCAGGTGTTCAAAGGTTGCCATGTGGC	216
161	. TGGCAGTGGTTCAAGCCCCACATTTGACACTGCTGCTCTAGAGGAAAGATAATGATGGTAA	222

FIG. 10F

2221	CACAGTAATAATAATAATAACAAAATATGATAAAGTGAAAGAGTAGATTTCTTTC	228
2281	GIGTGCTTGCTCCATGCCATGAATGCTATGTGGACAGCCCAAGCCATACCCAGAATCACC	234
2341	TTAATTCCAACTTTGAGGTTCAGCAATTGGAGGTGGCAATTGGCTTTGCATTTTAAAG	240
2401	TATTTCGGGTAAAGGTGAAGTGAAGGATTTTCGTCTTTATAATTTCTGTTTGGCCATGGC	246
2461	. AAATACCATAGTTGAGTATTTGCTTCAGGAGAGTTCTTTTTACAGTTTTTACATTTTCAATG	252
2521	. CTGAGGCATATTTCTTTGAGCACTGTGCTTTTATGTGTCTTTCTACAAAGGGGGTTATTGG	258
2581	TCAGTGGAAGAACAAAGTACACTTGATAAAAAÖATTTTCAACATACATTGAGCCTAAACA	264
2641	GCAGTTAAGTTGTCTCTAATAACTAGCAAAAAAAAAAAA	270

	. AAACAGAAATATATCCAAAAAAAAAAAAAAA 3152 FIG. 10H	3121
312	. TAGATACTGGCAGGGCTATGTTTGTTTATGATGCTCTGCAAACATTTCATATTGGCCAAT	3061
306	TTTTTCTCATAAATGGGTTATTTATAGAGATTTTGTTAACTCTTGAGCCATATGCATGTG	3001
300	. CCCCACCCTACTAGCTAGGTCTTCAGTGTTTTACATTGAATATTGGTACATTTTAATTAT	2941
294	. CAACATACAGCCCTGTCACATTGAGATCATAATCCCTCCTGTCCCACTCCTCTTACCAA	2881
288	TCCAAGATTCTCAGATCCCAGGTTAGGAAAGGATTCAGCACTAACAGCATAACCCCTCTA	2821
282	TATACCTTGAACTTTTTGAACAGGAGGGAAGTCCTGGGAAAAATAATTTTTTCCC	2761
276	AAGGGGAGGTATTTCCTGAGAATGAATTTTTTTTTTTTT	2701



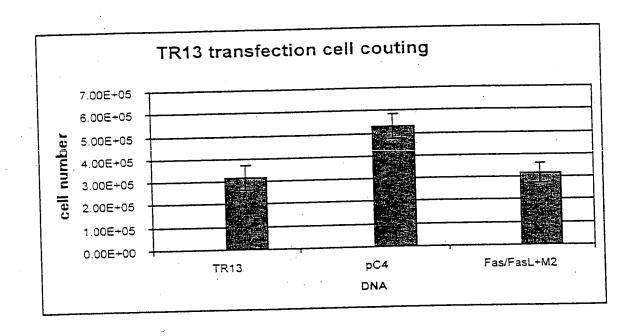


FIG. 12